

LOCKHEED AIRCRAFT CORPORATION		ENGINEERING STUDY <input type="checkbox"/>		LAC - 131							
		CHANGE PROPOSAL <input checked="" type="checkbox"/>									
DATE 24 JULY 1962		AFFECTS: WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>							
NAME OF MAJOR COMPONENT SEAT EJECTION SYSTEM		PART OR LOWEST SUBASSEMBLY		PART NO. & MODEL OR TYPE							
TITLE OF PROPOSAL : EJECTION SYSTEM MODIFICATION											
NATURE OF PROPOSAL : TO MODIFY THE EJECTION SYSTEM AS FOLLOWS:											
<ol style="list-style-type: none"> 1. Replace M-4 Catapult With Rocket Power Catapult P/N 2202-11. 2. Modify Telescoping Tracks And Fit The Seat With Track Snatchers To Pick Up Telescoping Tracks During Ejection. 3. Relocate Head Bar And Fit Bar With Canopy Breaker Points. 4. Beef Up The Floor Structure To Take Higher Catapult Loads. 5. Replace 2 Second Delay M-6 Initiators With 1 Second Delay T-34 Initiators. 6. Prepare And Issue A Service Bulletin And Fabricate The Necessary Kits. 											
REASON FOR PROPOSAL :											
SEE PAGE 2											
ES		ESTIMATED COST AND TIME INVOLVED :									
		ADDITIONAL FUNDING REQUIRED :									
CP		ESTIMATED COST FOR KITS OR PARTS : SEE PAGE 3									
		ADDITIONAL FUNDING REQUIRED : NONE SP-1922 & SP-1923									
ITEMS AFFECTED BY PROPOSAL :											
SAFETY	MISSION EFFECTIVENESS	PERFORMANCE	OPERATING PROCEDURE	INTER-CHANGEABILITY	WEIGHT OR WEIGHT & BALANCE	TOOLS & SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD											
SOURCE OF PARTS FOR KIT LAC						AVAILABILITY 10 WEEKS AFTER APPROVAL					
DISPOSITION OF SPARES AFFECTED NONE											
INITIATED BY :						APPROVED :					
Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180062-6 WSPO/PROJECT/LAC						PROJECT					

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NATURE OF PROPOSAL

In general, the reason for the Change Proposal is to eliminate deficiencies in the ejection system which were discovered during a recent test program. More detailed reasons for each change consist of the following:

1. The present M-4 should be more powerful so as to achieve greater ejection clearances under adverse conditions; to better overcome track friction in the system; and to provide more thrust for canopy breakage.
2. The track modification reduces friction and eliminates the potential for interference which presently exists.
3. The head bar modification provides easier canopy penetration for through-canopy ejection.
4. Self-explanatory.
5. It is felt that a 2 second delay from "O" ring pull to catapult firing is too great as is the 2 second delay from catapult firing to lap belt unlatch. A one second delay for each of these functions will improve the system.

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